

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: CORELITE

Report Number: P738059

Luminaire Tested: **22PT-20-PP3-L930**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738059
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P412714)
Test Lab: INNOVATION CENTER
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 22PT-20-PP3-L930
Description: 2000 LUMEN 2X2 PERCEIVE PT TROFFER WITH 3000K, 90 CRI LEDS AND PRISM LENS

Light Source: -
Ballast/Driver: -

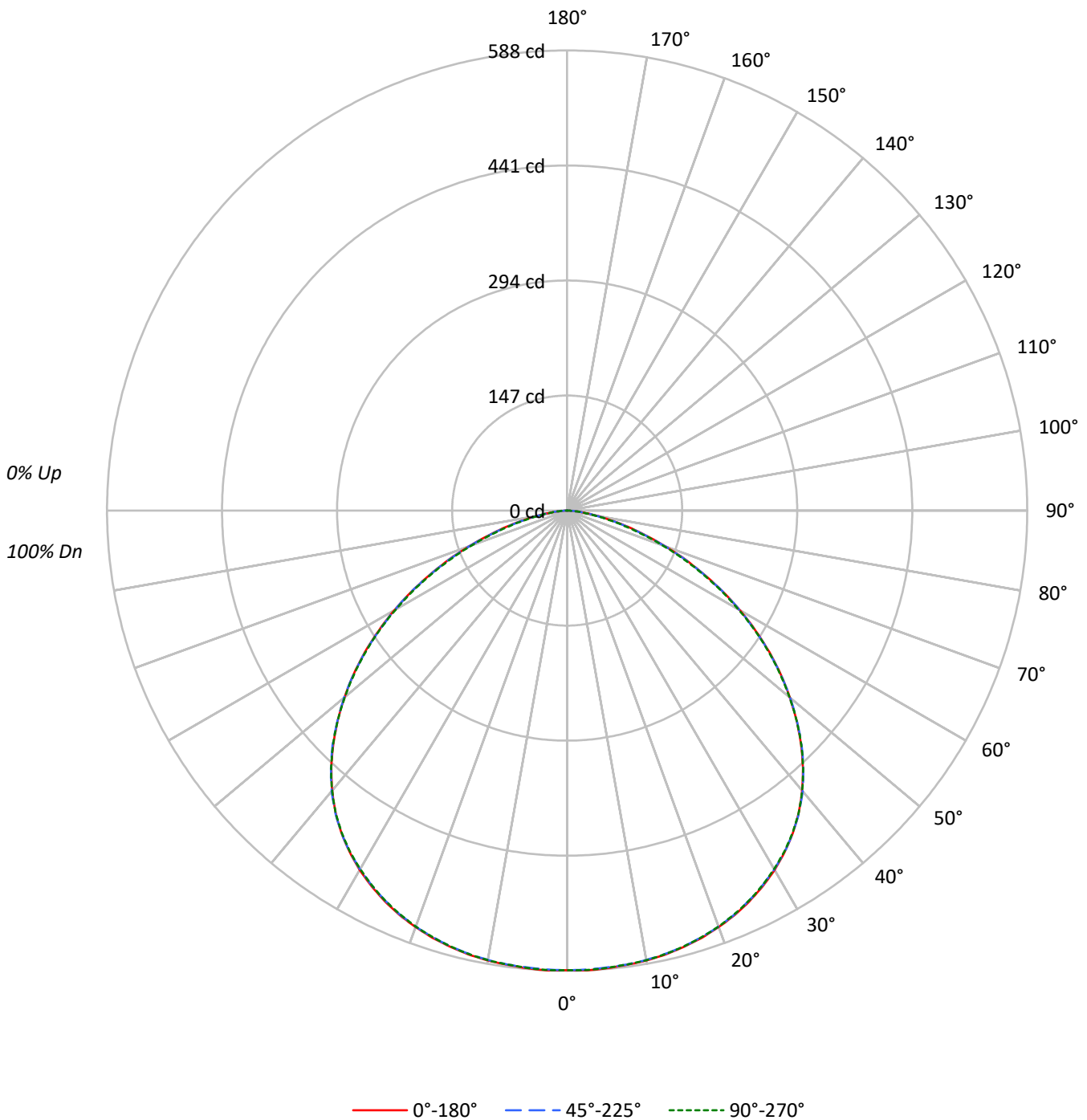
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1685.0 lumens
Efficiency: N/A
Efficacy: 113.9 lumens/watt
Spacing Criteria (0/90/45): 1.33 / 1.33 / 1.43
Luminous Opening: Rectangular (W 1.92' x L: 1.92' x H: 0')
CIE Type: Direct

Input Watts (W): 14.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	109	105	101	97	107	103	99	96	98	95	93	95	92	90	91	89	87	85
2	100	92	85	80	97	90	84	79	87	81	77	83	79	75	80	77	74	72
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	61
4	84	72	63	57	81	70	62	56	68	61	55	66	60	55	64	58	54	52
5	77	64	55	49	75	63	55	49	61	54	48	59	53	47	57	51	47	45
6	71	58	49	43	69	57	48	42	55	48	42	53	47	42	52	46	41	39
7	66	52	44	38	64	52	43	37	50	43	37	49	42	37	47	41	37	35
8	61	48	39	33	60	47	39	33	46	38	33	44	38	33	43	37	33	31
9	57	44	36	30	56	43	35	30	42	35	30	41	34	30	40	34	29	28
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	27	25

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1721	1721	1721
5°	1726	1724	1725
10°	1737	1735	1736
15°	1751	1749	1749
20°	1766	1764	1764
25°	1781	1778	1778
30°	1794	1791	1790
35°	1799	1799	1797
40°	1787	1791	1787
45°	1752	1757	1754
50°	1693	1696	1691
55°	1612	1608	1605
60°	1496	1493	1481
65°	1337	1335	1320
70°	1143	1135	1110
75°	910	883	857
80°	648	636	602
85°	420	420	410



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	55.9	3.3
10°-20°	162.9	9.7
20°-30°	253.7	15.1
30°-40°	314.0	18.6
40°-50°	325.6	19.3
50°-60°	280.6	16.7
60°-70°	190.8	11.3
70°-80°	85.4	5.1
80°-90°	16.3	1.0
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	472.4	28.0
0°-40°	786.4	46.7
0°-60°	1392.6	82.6
0°-90°	1685.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1685.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	587	587	587	587	587	
5°	587	586	586	586	586	56
15°	577	576	576	576	576	163
25°	551	550	550	550	550	254
35°	503	502	503	502	502	314
45°	423	422	424	423	423	325
55°	316	314	315	314	314	281
65°	193	194	193	192	190	191
75°	80	81	78	78	76	86
85°	12	13	12	12	12	16
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	587.3	587.3	587.3	587.3	587.3
2.5°	588.1	586.9	586.9	587.1	587.7
5°	586.9	585.7	586.1	585.9	586.5
7.5°	585.4	584.4	585.0	584.5	585.0
10°	583.8	582.8	583.0	582.8	583.4
12.5°	581.0	579.9	580.2	580.2	580.5
15°	577.1	576.1	576.5	576.1	576.5
17.5°	572.4	571.2	571.4	571.2	571.6
20°	566.3	565.6	565.7	565.3	565.6
22.5°	559.5	558.5	558.7	558.3	558.3
25°	551.0	550.2	550.0	549.8	550.0
27.5°	541.2	540.3	540.3	540.0	540.0
30°	530.3	529.3	529.3	529.0	529.0
32.5°	517.3	516.9	517.1	516.7	516.5
35°	503.0	502.4	503.0	502.2	502.4
37.5°	486.3	485.5	486.7	485.9	486.1
40°	467.3	466.9	468.3	467.7	467.3
42.5°	446.1	446.1	446.7	446.9	446.5
45°	422.8	422.4	423.9	423.0	423.3
47.5°	397.7	397.1	398.3	398.0	397.9
50°	371.4	371.0	372.0	371.0	371.0
52.5°	344.2	343.9	344.2	343.2	342.9
55°	315.5	314.3	314.7	314.1	314.1
57.5°	285.7	284.3	284.5	284.3	284.5
60°	255.3	254.9	254.7	253.7	252.8
62.5°	224.2	224.5	224.3	222.9	222.0
65°	192.8	194.3	192.6	192.0	190.4
67.5°	163.2	163.7	162.6	161.2	159.4
70°	133.4	134.5	132.5	131.2	129.6
72.5°	104.9	105.7	103.9	103.2	101.2
75°	80.4	80.6	78.0	77.7	75.7
77.5°	57.2	58.0	56.1	56.1	54.1
80°	38.4	39.8	37.7	37.1	35.7
82.5°	24.1	24.3	23.7	23.2	22.5
85°	12.5	12.9	12.5	12.2	12.2
87.5°	4.7	4.9	4.7	4.5	4.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)